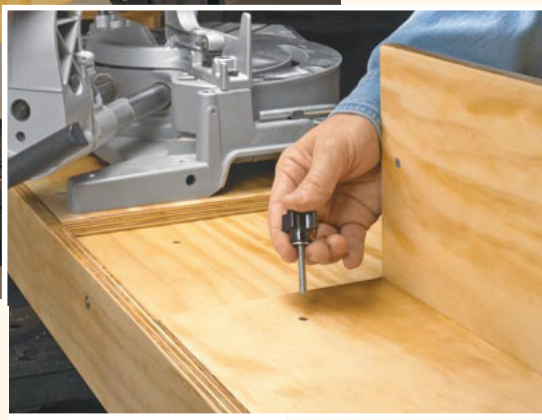
Online Extra



Portable Mitre Saw Station

A sliding compound mitre saw is a valuable addition to any workshop. But like any tool, it can always be upgraded to give you better results and more convenient use. Building the workstation you see in the photo above will do just that. The workstation provides a sturdy base for your saw, as well as extended support for long workpieces. It can be incorporated into your workshop as a permanent fixture, but at the same time it's designed to be easily moved when necessary.

The workstation has four components: a sturdy base, a platform that holds the mitre saw, and two adjustable extension wings (see drawing at left). For portability, all the components are designed to be easily assembled and disassembled.

All the parts are cut from 19mm plywood. There's nothing difficult or sophisticated about the construction — simple joinery, glue and screws provide the strength

The base of the workstation is constructed so the two rails form a channel that lightly sandwiches the saw platform and the extension wings. This allows you to reposition the extension wings easily by simply sliding them along the base. T-nuts are installed in the base that are used along with star knobs to lock down the wings, as shown in the inset photo above.

When planning and building the workstation, you need to keep a couple of things in mind. First, the height of the extension wing beds needs to match the height of the saw when it's mounted on the workstation. Second, the saw should be mounted on the platform so that the fence lines up with the fences on the extension wings.